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APPLICATION NO. **FILING DATE** FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 09/409,842 09/30/99 PERRY Α LAM1P100/P05 **EXAMINER** MMC2/0324 EVANS, F HICKMAN STEPHENS & COLEMAN LLP P 0 BOX 52037 **ART UNIT** PAPER NUMBER PALO ALTO CA 94303-0746 2877 DATE MAILED: 03/24/00

Please find below and/or attached an Office communication concerning this application or proceeding.

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UNITED STATES D. PARTMENT OF COMMERCE Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MbC2/0324

HICKMAN STEPHENS & COLEMAN LL P O BOX 52037 PALO ALTO CA 94303-0746

APPLICATION NO.		FILING DATE	TOTAL CLAIMS	EXAMINER AND	GROUP ART UNIT	DATE MAILED	
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ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	D. APPLN. TYPE		SMALL ENTITY		FEE DUE	DATE DUE
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THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

'HE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS \PPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u>

HOW TO RESPOND TO THIS NOTICE:

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- Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- I. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- II. All communications regarding this application must give application number and batch number.

 Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

MPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Art Unit: 2877

Prior Art

Lu (US 5.,880,823) discloses the use of a Xenon flash lamp (60) in a method of and apparatus for determining vapor deposition rates.

Examiner's Reasons for Allowance

The prior art of record fails to teach or suggest a process monitor for and a method of monitoring process parameters during a plasma etch/deposition process of a wafer wherein a flash lamp, spectrograph and data processing element are used as set forth in the claims.

Any comments considered necessary by applicant must be subinitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to the examiner whose telephone number is (703) 308-4805. Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0956.

F. L.:EVANS PRIMARY EXAMINER ART UNIT 2877

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March 22, 2000

Notice of Allowability

Application No. 09/409,842

Applicant(s)

Andrew Perry et al.

Examiner

F. L. Evans

Group Art Unit 2877

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.
This communication is responsive to the papers filed on September 30, 1999
∑ The allowed claim(s) is/are 1-31
☐ The drawings filed on are acceptable.
☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received. ☐ received in Application No. (Series Code/Serial Number)
received in Application No. (Series Code/Serial Number/ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
*Certified copies not received:
Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).
☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
because the originally filed drawings were declared by applicant to be informal.
☑ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No
including changes required by the proposed drawing correction filed on, which has been approved by the examiner.
including changes required by the attached Examiner's Amendment/Comment.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.
☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.
Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.
Attachment(s)
☐ Information Disclosure Statement(s), PTO-1449, Paper No(s).
☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
☐ Notice of Informal Patent Application, PTO-152☐ Interview Summary, PTO-413
Examiner's Amendment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material
∑ Examiner's Statement of Reasons for Allowance